

1 (10) ABSTRACT

2 A common-mode feedback circuit is provided for fully-differential operational
3 amplifier stages of a multistage amplifier. A first stage of the circuit establishes a
4 substantially constant current output level for a feedback generating stage of the
5 circuit. An exemplary embodiment using MOSFET devices illustrates using a diode-
6 connected MOSFET and mirror MOSFET first stage and a generating the current for
7 a common-source connected MOSFET second stage connected to the respective
8 outputs for said fully-differential operational amplifier. An output stage of the circuit
9 provides feedback voltage at a first level when inputs to said fully-differential
10 operational amplifier are in equilibrium and at a second level for balancing said fully-
11 differential operational amplifier when inputs to said fully-differential operational
12 amplifier are not in equilibrium.